

June 10, 1986

TO: File

FROM: James R. Fricke, Reclamation Hydrologist *JRF*
Kathryn M. Mutz, Reclamation Biologist *KM*

RE: Longshot Mine, PRO/019/018, Site Visit, Grand County, Utah

Location

The Longshot Mine is located in southeast Grand County in Township 26 south, Range 23 east, Section 23. The site can be accessed on State Highway 9 by proceeding south of Moab for 7.4 miles. Turn east on the Manti-La Sal Loop road and proceed on said road for 17.6 miles, turn west on the Sand Flat road. At 1.3 miles on the Sand Flat road turn left and proceed approximately 1/2 mile to the site.

File Summary

The Longshot Mine is a new mine on National Forest Service property. The Longshot Mine is a proposed placer gold operation. The operator, Phil Gramlich, intends to mine two ephemeral drainages. The operation will consist of excavated pits (8-10 feet deep) and a gravity concentrator to extract the gold from the gravels. Site facilities will consist of three ponds, tailings storage pad, two small sheds, and a diversion dam on the north fork of Mill Creek, with a pipeline to the ponds.

Field Inspection

Hydrology - The mine site had been slightly disturbed prior to the field inspection. There were old test pits present along the northern ephemeral drainage as well as a small dam at the lower reach of the northern drainage.

FILE COPY

page 2
Memo to File
PRO/019/018
June 10, 1986

A diversion dam will be located on the north fork of Mill Creek. The location is approximately 1,200 feet southeast of the mine workings area. The diversion will provide water needed in the mining process.

Biology - The mine site is in a Pinyon-Juniper vegetation type. An old disturbance area at the south end of the mine site has naturally revegetated. Areas in the vicinity have been chained or cleared and planted for cattle and wildlife. The tree overstory is estimated at greater than 50 percent cover. For purposes of establishing a vegetation success criterion, the understory vegetation is estimated at a maximum of 20 percent cover.

There should not be any significant conflicts with wildlife since the mine site is small and contemporaneous revegetation is scheduled.

During the site visit we discussed using pinyon slash and some of the coarse refuse as a surface dressing before seeding. Both Mr. Gramlich and the Bureau of Land Management geologist agreed to include this technique in the reclamation plan.

JRF/KMM/djh
0798R-7

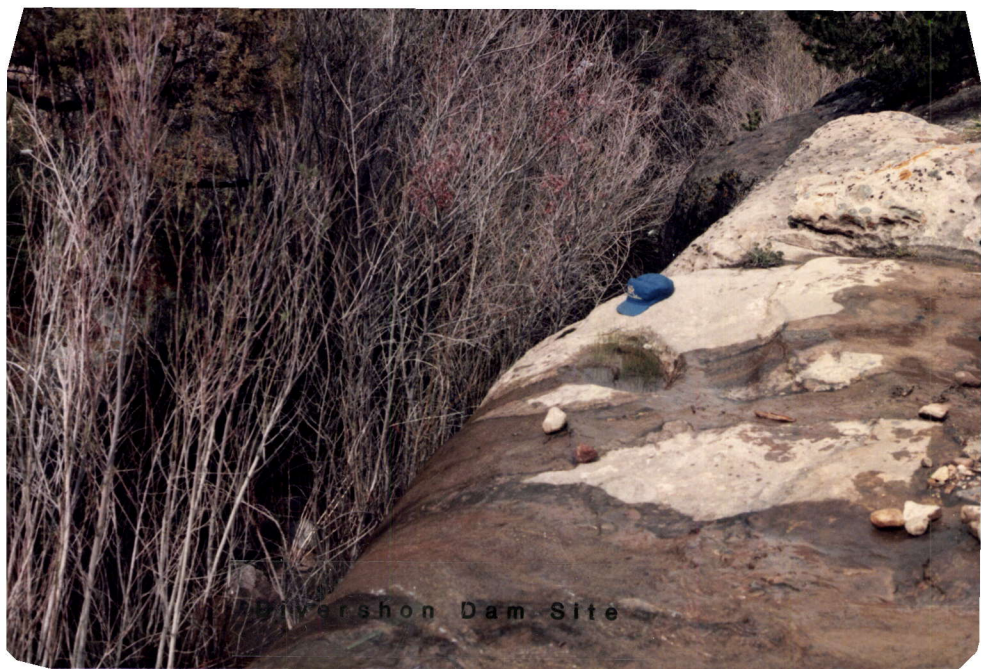
FILE COPY



Upstream Diversion Dam



Diversion Dam Site



Divershon Dam Site



Diversion Dam Area



Proposed Pond Site



Proposed Pond Site

The photograph captures a natural landscape with a prominent erosion feature. A steep, vertical bank of reddish-brown soil rises from a rocky foreground. The top of the bank is covered with dry, yellowish grass and some green shrubs. A large, light-colored rock slab lies horizontally across the base of the bank. Several small, dark green trees and shrubs are scattered throughout the scene, particularly in the foreground and along the base of the bank. The text 'Proposed Pond Site' is overlaid at the bottom of the image.



Upstream View North Drainage

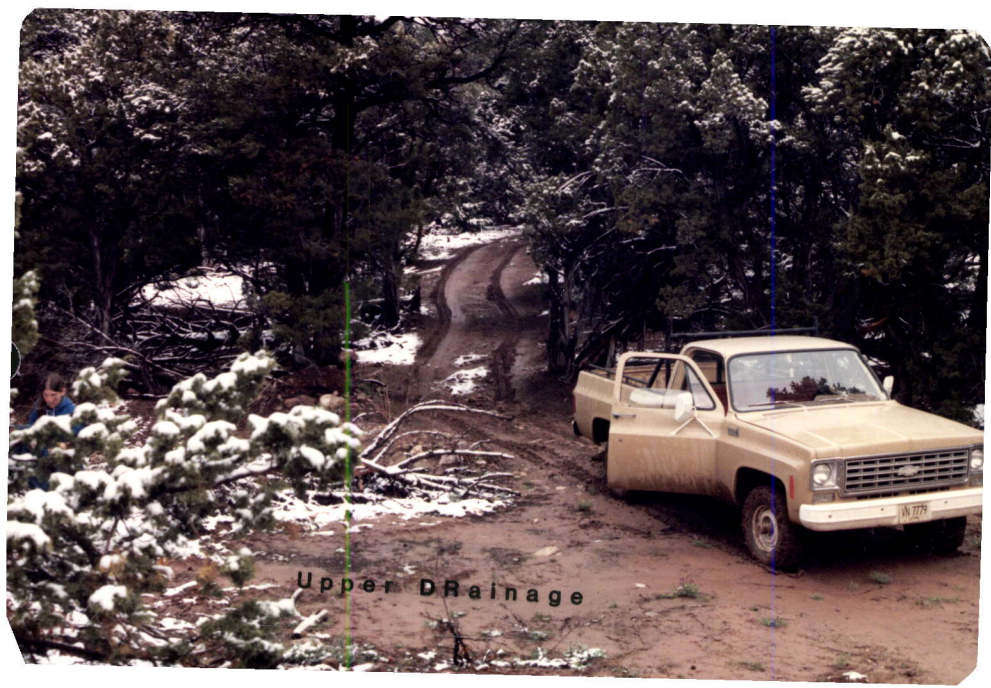
A photograph of a rugged, rocky landscape. Large, light-colored boulders and rock formations are scattered across the scene, interspersed with dense, dark green coniferous trees. The terrain appears steep and uneven. The text "Geology And Biology" is printed in a serif font across the lower-middle portion of the image.

Geology And Biology

Test Pit







Upper Drainage